

A New Genus of Bothynotinae, Miridae (Heter.).

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NEOBOTHYNOTUS new genus.

This, our first American genus of Bothynotinae may easily be recognized by examining the membrane which is pilose above and below.

Male oblong, female oval, or ovate in the short-winged female. Head subvertical, pilose, short, behind the exerted eyes, constricted, immarginate; vertex wide, somewhat convex; clypeus slightly elevated, separated at base from the frons, base on a line drawn between the antennal pits; lorae discrete; gula short, subhorizontal. Eyes medium, prominent, distinctly remote from the apex of the pronotum. Antennae inserted on a line drawn between the center of the eyes, strongly pilose, the basal joint incrassated, as long as or slightly longer than the width between the eyes; second longer than the third and fourth united, or three-fourths as long as the basal width of the pronotum, or a trifle shorter than the pronotum and the scutellum united, becoming (especially in the female) slightly thicker towards the apex. Rostrum reaching the intermediate coxae, the first joint passing the apex of the prosternum.

Prosternum triangular, sides straight and raised, its xyphus marginated; orifices of the metapleura tuberculose. Pronotum trapeziform, collar raised, hairy, posteriorly convex, towards the apex strongly declivous, basal width almost twice its length, or three times its apical width, deeply closely punctured; calli confluent at the disc forming an arc, shining, smooth. Scutellum triangular, hairy, the base covered, minutely transversely wrinkled, a carina beginning at the apex and disappearing in the depressed middle of the base.

Hemelytra rugose, hairy, lateral margins amplified, in the male semipellucid, opaque in the female; subcosta entire, forming an embolium, cubitus also complete; the hairy cuneus and the membrane much deflected; membrane of the male very long, of the short-winged female reaching the end of the abdomen, biareolated, distinctly pubescent above and below.

Feet pilose, posterior femora reaching the apex of the abdomen, no thicker than the others. Tarsi: first joint longest, the second shortest. Claws without arolia but armed with a strong basal, acute tooth.

Neobothynotus modestus n. sp., type of the genus.

Body brown in the male, in the female piceous, shining. Head, prosternum, first joint of the antennae and the base of the calli of the second joint, the stricture, sometimes the base of the calli rufous. Head smooth, hairy, its width twice that of the eye; clypeus piceous. Rostrum in the male testaceous, in the female nigropiceous, the second joint the longest, as long as the second joint of the antennae. Antennae, apex of the second joint piceous, in some females both the first and the second joints are nigropiceous, the slender third and fourth soiled white, the third longer than the fourth.

Pronotum deeply, closely punctured, hairy, brown in the male, in the female nigropiceous, calli (base always) piceous, stricture rufous. Scutellum deeply impressed at base, hairy, piceous.

Hemelytra rugose, minutely punctate, a row of more evident punctures on the subcosta, claval suture and on the commissure, the color the same as that of the pronotum and of the pilose cuneus. Membrane smoky, iridescent, rugose, pubescent above and below, its length in the male longer than the basal width of the pronotum, in the macropterous female as long as, and in the short-winged female three-fourths as long as the basal width of the pronotum; apex of the large cell wide, at the short round angle of this cell there are signs of two very short open apical veins; a white spot on the membrane below the cuneus.

Abdominal segments of the male rufous edged with black, in the female almost or entirely piceous.

Legs of the male testaceous, of the female sometimes entirely nigropiceous, the basal acute tooth of the claws about one-third the length of the claw. One short-winged female is entirely piceous excepting the top of the head and the stricture.

Length: male 5 mm., female 4 mm., short-winged female 3.8 mm.

Captured in September at Greensburg, Pennsylvania, with the sweepnet in Col. Huff's park. It is also found in Illinois.

Described from twelve specimens in the college collection. *Type*: A male, Greensburg, Pa., in St. Vincent College coll., Beatty, Pa.*

The male of this species strongly resembles in color and general shape Reuter's figure (I, plate IV, vol. V, Hem. Gymn. Europae) of *Bothynotus pilosus* Boh.

*An allotype I will send to Philadelphia and a paratype to the Carnegie Museum, Pittsburgh, Pa.